

From: Cherry, Brian K
Sent: 4/2/2014 11:38:37 AM
To: Stephen St. Marie (stephen.stmarie@cpuc.ca.gov)
Cc:
Bcc:
Subject: Fwd: cost to light PG&E home now v. 1993

Brian K. Cherry
PG&E Company
VP, Regulatory Relations
77 Beale Street
San Francisco, CA. 94105
(415) 973-4977

Begin forwarded message:

From: Redacted
To: "Cherry, Brian K" <BKC7@pge.com>
Cc: Redacted, Redacted
Redacted, Redacted
Redacted, Redacted
Redacted, "Dietz, Sidney" <SBD4@pge.com>, "Pitcock, Maril"
<MxWL@pge.com>, Redacted, Redacted
Redacted, Redacted
Subject: FW: cost to light PG&E home now v. 1993

Hello Brian,

Back in January, Steve St Marie (an analyst at the CPUC) requested some information from PG&E concerning the cost of lighting a typical home in California now compared to 20 years ago. This question will also be of use to our lighting team, so I asked our consultants at TRC to spend a few hours working up an estimate which is detailed in the attached document. The bottom line is that, when estimated using two very different approaches, the same answer emerges: it costs the typical PG&E residential customer slightly less in 2014 than it did in 1994 to light the typical home. The decrease in costs is due to a decrease in lighting use, an increase of lamp efficiency, and a decrease in inflation-adjusted PG&E electricity rates.

I hope that Steve finds these results helpful . He can reach out to me if he has follow up questions.

Regards,

Redacted

Redacted

Redacted

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[www.CAEnergyEfficiencyModel.com](http://www.caenergyefficiencymodel.com/)<<http://www.caenergyefficiencymodel.com/>>

From: Redacted
Sent: Tuesday, March 18, 2014 11:56 AM
To: Redacted
Cc: Redacted
Subject: RE: cost to light PG&E home now v. 1993

Hi Reda,

Per your request, we have conducted a historical cost estimate, to compare the cost to light a home in PG&E territory now versus 20 years ago. Please see the attached memo and accompanying Excel workbook. The Excel workbook documents all sources and assumptions used; it could be updated for the 2014 calculation once the 2010-12 impact evaluation is public.

Please let me know if you have any questions or comments on the analysis.

Thanks,
Redacted

Redacted

Redacted

[cid:image001.png@01CE7D94.52BEC970]

Redacted

but please change your contact to the new email (above)

From: Redacted
Sent: Friday, March 14, 2014 1:13 PM
To: Redacted
Subject: RE: cost to light PG&E home now v. 1993

Redacted nice seeing you yesterday as well. Thanks for lunch!

I agree that having an internal TRC review of the “historical costs for lighting a typical home in the PG&E service territory” memo sounds like a reasonable course of action. Sounds like the entire project will come in at about 32 hours or so, which seems reasonable to me.

Cheers, Redac

From: Redacted
Sent: Friday, March 14, 2014 12:41 PM

To: [Redacted]
Subject: RE: cost to light PG&E home now v. 1993

Hi [Redacted],
Good to see you yesterday.

We have developed a draft memo and calculations. We ended up spending 24 hours total. I hope this is okay. I could send the draft memo and calculations as is. However, since it sounds like these values will be used in a few applications, I would feel more comfortable if someone more senior (probably Jennifer Barnes) reviewed the final numbers and memo. I estimate another 4 hours for her review, and my revisions based on this review.

Let me know what you'd prefer to do. Thanks!

[Redacted]

From: [Redacted]
Sent: Monday, February 24, 2014 12:39 PM
To: [Redacted]
Cc: [Redacted] Farahmand, Farhad
Subject: RE: cost to light PG&E home now v. 1993

Yes it does. Thank you.

From: [Redacted]
Sent: Monday, February 24, 2014 9:31 AM
To: [Redacted]
Cc: [Redacted] [Redacted]
Subject: RE: cost to light PG&E home now v. 1993

Hi [Redacted],
As we discussed by phone last Thursday (2/20), TRC proposes to spend 20 hours to estimate the cost to light a home in PG&E home today, and roughly 20 years ago (around 1993). We will develop an informal memo describing our findings, our methodology, and limitations of these findings. We will conduct this work under the established MSA with PG&E for EM&V support.

Please let us know if this is in-line with your thinking.
Thanks,

[Redacted]

(916) 962-7001

From: [Redacted]
Sent: Tuesday, February 18, 2014 3:37 PM
To: [Redacted]
Subject: FW: cost to light PG&E home now v. 1993

Hello [Redacted]

I got a 1993 number for you (see below). I could meet with you at 3:30 on Thursday if you are available?

From: [Redacted]
Sent: Tuesday, February 18, 2014 3:36 PM
To: [Redacted]
Cc: [Redacted] [Redacted]
Subject: RE: cost to light PG&E home now v. 1993

Ok, I will have something for you tomorrow. Hopefully you are finding references elsewhere for the additional information. The 93 residential value is about 12.3 cents per kWh.

From: [Redacted]
Sent: Tuesday, February 18, 2014 3:28 PM
To: [Redacted]
Cc: [Redacted] [Redacted]
Subject: RE: cost to light PG&E home now v. 1993

[Redacted] You are correct that he is not asking for the cost of energy. That is just one of the many variables in the equation! Among the other key variables include the average number of sockets in a typical house, the average cost of bulbs, the average life of the bulbs, the average number of hours that the bulbs are on, inflation, etc., etc.!!

We have located many sources for these variables (including the RASS and CLASS studies, metering studies from impact evaluations, etc.). One key variable that we have are still looking for is the average cost per KWh to the residential rate class at PG&E. (Of course as with many econometric questions one could come up with many possible "answers" depending on how things are interpreted... so we are trying to boil the question down to this simple one: on average (adjusted for inflation, the number of sockets in a home, the average hours of use of bulbs, the average cost of bulbs in use), how has the cost of lighting a typical home in the PG&E service territory changed over the last 20 years?

[Redacted] (both cc'd) and I just had a quick conversation about this, and our collective hypothesis is that it's probably remained about flat (in spite of the average square footage of a house having doubled since the 1970s, the number of sockets increasing, etc.).

Hope this additional context helps!

From: [Redacted]
Sent: Tuesday, February 18, 2014 3:15 PM
To: [Redacted]
Subject: RE: cost to light PG&E home now v. 1993

[Redacted] It doesn't seem to me he is asking for the cost of energy. Looks like a much more difficult question.

Probably there is a person at PG&E who knows more about the costs of lights, air conditioners, and every type of energy-consuming device than any other person on earth. I would like to find out who that person is and have a short conversation. Do you have a recommendation?

From: [Redacted]
Sent: Tuesday, February 18, 2014 1:59 PM
To: [Redacted]
Subject: FW: cost to light PG&E home now v. 1993

[Redacted] nice speaking with you. Here's the context of the question that I was seeking to examine.

Cheers [Redacted]

From: [Redacted]
Sent: Tuesday, February 18, 2014 12:30 PM
To: [Redacted]
Subject: RE: cost to light PG&E home now v. 1993

[Redacted], see context below:

From: [Redacted]
Sent: Monday, January 13, 2014 11:49 AM
To: Dietz, Sidney [Redacted]
Subject: Re: [Redacted] who at PG&E would be best for me to call about a subject I am researching

[Redacted] -- would you recommend someone like Carolyn or Aaron be best to speak on this?

On Jan 13, 2014, at 11:22 AM, "Dietz, Sidney"
<SBD4@pge.com<<mailto:SBD4@pge.com>>> wrote:

See St.Marie's question below – whom should I send him to?

From: Cherry, Brian K
Sent: Monday, January 13, 2014 11:07 AM
To: St. Marie, Stephen
Cc: Dietz, Sidney
Subject: Re: [Redac] who at PG&E would be best for me to call about a subject I am researching

Steve - good to hear from you. Did can help you with this.

Brian K. Cherry
PG&E Company
VP, Regulatory Relations
77 Beale Street
San Francisco, CA. 94105
(415) 973-4977

On Jan 13, 2014, at 10:47 AM, "St. Marie, Stephen"
<Stephen.St.Marie@cpuc.ca.gov<<mailto:Stephen.St.Marie@cpuc.ca.gov>>>
wrote:

Brian,

Long time, no chat.

As part of my work in the Policy and Planning Division, I am reviewing literature on the cost of energy-saving for a paper on the total cost of services derived from energy. For example, as we know, light bulbs have gotten more expensive as they have changed in technology. At the same time, the amount of energy they consume has declined. And the price customers pay for the electric energy itself has increased. So, counting all three factors, has the cost of the lighting service we consume risen or declined? This question can be asked about almost any energy related subject.

Probably there is a person at PG&E who knows more about the costs of lights, air conditioners, and every type of energy-consuming device than any other person on earth. I would like to find out who that person is and have a short conversation. Do you have a recommendation?

Yes, I am also looking into sources internal to the CPUC and at the CEC. But I do not want to lose the perspective that could be gained from hearing from you and from PG&E.

Happy New Year, I hope all is well,

-- Steve

Stephen St Marie
Regulatory Analyst

Policy and Planning Division
California Public Utilities Commission
505 Van Ness Ave, San Francisco, CA 94102
415-703-5173 (office)
415-244-3168 (mobile)
stephen.st.marie@cpuc.ca.gov<<mailto:stephen.st.marie@cpuc.ca.gov>>

From: [Redacted]
Sent: Tuesday, February 18, 2014 11:37 AM
To: [Redacted]
Subject: RE: cost to light PG&E home now v. 1993

Call either [Redacted] or [Redacted] and ask them where you might find the average residential electric rate for 1993... there is a department call revenue & statistics in Customer care who also should have that number... Now why do you ask?

From: [Redacted]
Sent: Tuesday, February 18, 2014 11:21 AM
To: [Redacted]
Subject: FW: cost to light PG&E home now v. 1993

[Redacted] what's a good way to figure out PG&E's residential electric rates per KWh in 1993?

From: [Redacted]
Sent: Tuesday, February 18, 2014 9:54 AM
To: [Redacted]
Cc: [Redacted]
Subject: cost to light PG&E home now v. 1993

Hi [Redacted] - You had asked us to look into the cost of lighting a home in PG&E territory now vs. in 1993. We have a rough estimate, but wanted to briefly speak with you about how we estimated it, the limitations of the estimate, and how we could make it better. (One valuable number would be the PG&E rates in 1993.)

Do you have 15-20 minutes to speak this week?
Thanks,

[Redacted]

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